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Derwent Title: Solid state polymer fuel battery - has ion exchange membrane of specific thickness with reinforcement film provided on one side with shape of catalyst layer

Original Title: [JP10154521A2: SOLID HIGH POLYMER TYPE FUEL CELL](#)

Assignee: MATSUSHITA DENKI SANGYO KK Standard company
Other publications from [MATSUSHITA DENKI SANGYO KK \(MATU\)...](#)

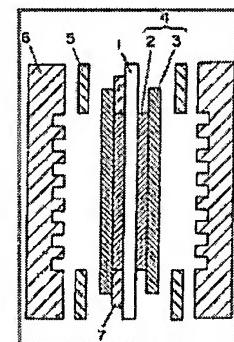
Inventor: EDA N; FUKUOKA Y; SUGAWARA Y; UCHIDA M;

Accession/
Update: 1998-383035 / 200652

IPC Code: H01M 8/02 ; H01M 4/86 ; H01M 8/10 ;

Derwent
Classes:
[A85](#); [L03](#); [X16](#);

Manual Codes: A12-E06(Batteries, accumulators, fuel cells) , A12-M(Ion exchange resins, polyelectrolytes [general ion exchange resins]) , L03-E04(Fuel cells [general]) , X16-C01C(Solid polymer fuel cell) , X16-E06A(Fuel cell) , X16-F02(Separators, membranes, spacers)

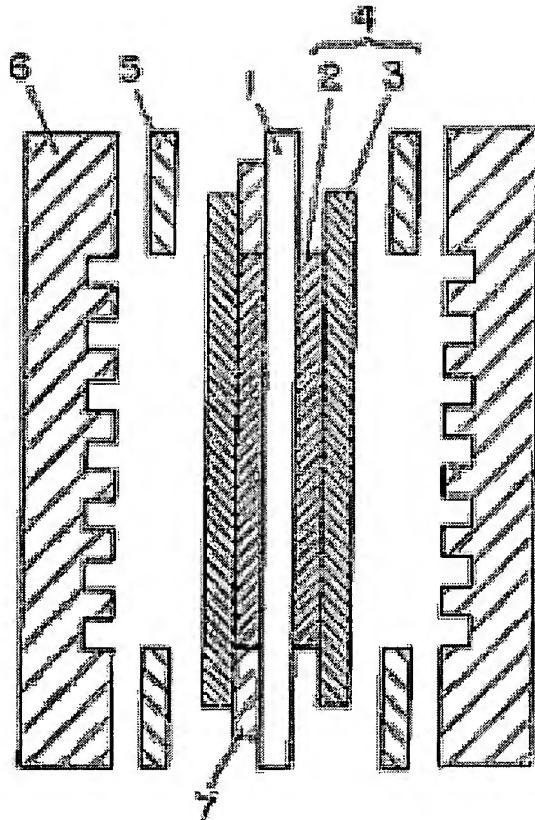


Derwent Abstract: [\(JP10154521A2\)](#) The solid state fuel battery has ion exchange membrane (1) of 50 or less mu m thickness equipped with gas diffusion electrode (4). The electrode consists of a catalyst layer (2) and a diffusion layer (3) which are provided on both sides of membrane. A reinforcement film (7) which has the shape of the catalyst layer is provided on one surface side of the membrane, with a window corresponding to the electrodes.

Advantage - Prevents rupture of ion exchange membrane during battery assembly and during membrane electrode junction operation. Realises superior sealing property.

Publication Date June 9, 1998

Images:



Dwg.1/7

Family:

PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
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JP10154521A2 * 1998-06-09 199833 7 English H01M 8/02

Local appls.: JP1997000243802 Filed:1997-09-09
(97JP-0243802)

JP03805495B2 = 2006-08-02 200652 11 English H01M 8/02

Local appls.: Previous Publ. JP10154521 (JP 10154521)
JP1997000243802 Filed:1997-09-09
(97JP-0243802)

INPADOC
Legal Status:

Priority Number:	Application Number	Filed	Original Title
	JP1996000251084	1996-09-24	

Extended
Polymer Index:

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Accessions:

Accession Number	Type	Derwent Update	Derwent Title
C1998-116311	C		
N1998-299844	N		

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>Title Terms: SOLID STATE POLYMER FUEL BATTERY ION EXCHANGE MEMBRANE SPECIFIC THICK REINFORCED FILM ONE SIDE SHAPE CATALYST LAYER

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